

Questions and Answers:

Enterprise GIS Solution (9/18/06)

Question

- 1) Exhibit A (Page 20) diagrams their current environment. Is MEMDMZIMS for ArcIMS and ArcGIS Server?

My experience with ArcGIS Server a separate web server helps out. ArcGIS Server puts a much heavier load on the web server than ArcIMS. Depending on the number of users/ data being used separating ArcIMS and ArcGIS Server maybe advantageous. Will spec out additional servers as needed.

Answer

Yes

Question

- 2) Is the Web Application the only application that will be accessed remotely or do any remote offices exists that will be running ArcGIS Desktop applications? If there are remote offices what is the connection speed between the offices?

Answer

We do not anticipate that any remote offices will be using the ArcGIS Desktop applications.

Question

- 3) The two existing servers outlined in the proposal are both showing Raid 1 disk configurations. Is this a company standard? We will typically place data on Raid 5 since it has better read performance.

Answer

RAID 1 disks are for the local drives. MEMESRISQL data is on a RAID 5 SAN LUN. MEMDMZIMS are RAID 1 local disk only. It was purchased for a Web front and will not hold any data.

Question

- 4) Is the PowerEdge 6850 currently being used for SQL Server?

Answer

Yes

Question

- 5) What are the types and number of users? (Desktop users / Web Users)

Answer

Desktop users are approximately 30-50. All applications must be scalable because this number varies from time to time. It should be the expectation of the vendor that the number may increase. However with the editing and geoprocessing capability of ArcGIS Server apps, the number may not increase or may even decrease. There is currently no benchmark available for the number of external web users because the City has never had an internet GIS application before.

Question

- 6) Data Requirements - is Imagery being used?

Answer

Imagery is being used. Right now both Tiff and MRSID formats but may change in the future. Applications must accommodate various file formats.

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Question

7) What are the spec's on the workstations that will be running the applications.

Answer

All ArcInfo/Arview users are utilizing ESRI minimum specs however there are still some ArcView 3.2 – 3.3 users. It is the objective of this project to deliver high level editing and geoprocessing to these users via ArcGIS Server applications. That is one of the most important objectives of this project.

Question

8) What is the ACS recommended method for calling ArcGIS Server applications from and for returning information to the Oracle applications, and would these methods be the same across all of the Oracle applications.

Answer

Although it has not been decided, it is suggested that ODBC may be the method used. However, we expect the Vendor to provide a recommended solution. The GIS development team and the Oracle development team must work together in tandem to establish the integration method.

Question

9) What are the specific reports or number of reports that will need to be created in the Spatial Analysis and Reporting Module?

Answer

This can only be determined after an assessment of needs has been conducted by the chosen vendor as stated in the RFP. There are multiple Divisions/Departments that have data which will feed into the Reporting/Analysis Module. Report types must not be static; there has to be administrative functionality that allows for the creation of reports based on changing needs in addition to standard reports. One suggestion is utilizing Crystal Reports which is already integrated with ESRI GIS software. This is not carved in stone however it is the objective of this RFP to develop applications that can be managed and modified by the in-house GIS staff using common standard 3rd party software.

Question

10) What are the specific forms of analysis that need to be performed in the GIS Data Access Module?

Answer

Everything that ArcGIS Server software allows for. No limitations set on the user other than security levels.

Question

11) What are the specific applications to be included in the Internet GIS Access Module?

Answer

1. Final applications types will be determined after the initial needs assessment. However there are several standard applications that need to be included. All of the application types should basically be developed with the same coding but different in the hierarchy of functional capability. It is expected that the chosen Vendor will build a foundation for future development by in-house GIS staff.
 - a. High level user – Geographic Data Viewer: All data that the City wants to make available to the public. Application will have the following components: Layers (on/off, active), legend, tools (pan, direction, select with attribute information in a table or report, identify, measure, etc), the ability to create maps with custom title,

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legend, graphics, layout, print options including printing to PDF and exporting to graphic. Other features as identified after assessment. This application must be scalable and be able to have transactional and E-Commerce capability in the future. The goal is to be able to have online payment for the downloading of extracted data layers.

- b. Lower level users:
 - i. Search/Find – Public Safety Search; find Police Precinct and/Fire Stations for Address Location or Intersection.
 - ii. Demographic Analysis utilizing Claritas Demographic data based on 1-2-3 mile radius from Address Location or Intersection, Zip Code, Census Tract or Census Block Group.
 - iii. The same as the High Level Geographic Viewer however with fewer data layers and fewer tools. Map layout will be standard with no customization.

Question

12) Is there an industry datamodel that the City of Memphis will use as template?

Answer

The vendor will finalize the data model however it will follow the recommendation of ESRI models for government.

Question

13) What are the datasources (types, layers, # of records) intended to be migrated to the new enterprise system?

Answer

Everything – Street Centerlines, Address Points, Political/Jurisdictional/territorial Boundaries, Parcels, Aerials, Geocodable Address Layers (TeleAtlas/GDT), Division/Department specifically created layers (points, lines, polygons) Attribute and other data tables. Periodic and some regularly scheduled updates to data.